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[Signature]

PTO/SB/17 (10-03)  
Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 180

## Complete if Known

Application Number	09/732,953
Filing Date	12/07/2000
First Named Inventor	Kamilo Feher
Examiner Name	Don Vo
Art Unit	2631
Attorney Docket No.	09.732,953 UltraEfficFeeSupInf

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number  
Deposit Account Name

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☐ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					( \$ )

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims  -20\*\* =  X  =   
Independent Claims  -3\*\* =  X  =   
Multiple Dependent  =

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent claim, if not paid	
1204	86	2204	43	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					( \$ )

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) ( \$ ) 180

## SUBMITTED BY

Name (Print/Type)	Kamilo Feher	Registration No. (Attorney/Agent)	Telephone	530-753-0738
Signature	[Signature]	Date	December 17 2004	

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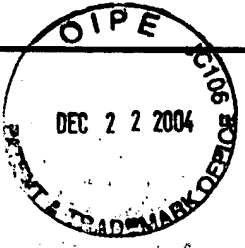
This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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12/23/2004 EAREGAY1 00000023 09732953

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 <p><b>Information Disclosure Statement by Applicant</b></p> <p>(P.T.O. FORM 1449-modified)</p> <p>Current Submission: Page 1 of 2</p>	<p><b>Applicant's Docket:</b></p> <p>09.732,953 Ultra SupInfoDisclos Dec 17,04</p>	<p><b>Application No.:</b></p> <p>09/732,953 Continuation of: 09/385,693 Now Pat No: 6,198,777</p>
	<p><b>APPLICANT:</b></p> <p>Kamilo FEHER</p>	
	<p><b>FILING DATE:</b></p> <p>12/07/2000</p>	<p><b>GROUP:</b></p> <p>Art Unit: 2631</p> <p><b>EXAMINER:</b></p> <p>Don Vo</p>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6 1 9 8 7 7 7	Mar. 6, 2001	Feher, K.			
	6 4 7 0 0 5 5	Sep. 3, 2002	Feher, K.			
	6 6 6 5 3 4 8	Dec. 16, 2003	Feher, K.			
	6 7 5 7 3 3 4	Jun. 29, 2004	Feher, K.			
	6 4 4 5 7 4 9	Sep 3, 2002	Feher, K.			

## PENDING U.S. PATENT APPLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	0 2 0 5 4 7 8		Feher, K.-Application			07/24/2002
	0 8 3 1 5 6 2		Feher, K.-Application			04/23/2004
	0 8 3 1 7 2 4		Feher, K.-Application			04/24/2004
	9 7 3 2 9 5 3		Feher, K.-Application			12/07/2000
	0 6 1 5 6 7 8		Feher, K.-Provisional Application			10/05/2004

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Papers, Etc.)

		(1)	3GPP TS 05.04 V8.4.0 (2001-11) Technical Specification Group GSM/EDGE Radio Access Network; Digital cellular telecommunications system (Phase 2+); Modulation (Release 1999); 3GPP:3 <sup>rd</sup> Generation Partnership Project; (10 pages)
		(2)	Furuscara, A. et al.: "EDGE: Enhanced Data Rates for GSM and TDMA /136 Evolution" IEEE Personal Communications, June 1999, (an IEEE Magazine); pp:56-66
		(3)	Brown, C., Feher, K.: "A reconfigurable modem for increased network capacity and video, voice, and data transmission over GSM PCS", IEEE Transactions on Circuits and Systems for Video Technology, pp:215-224; Volume: 6, No.2, April 1996 (10 pages)
		(4)	Brown, C.W.: "New Modulation and Digital Synchronization Techniques for Higher Capacity Mobile and Personal Communications Systems" Ph.D. Thesis University of California, Davis, Nov 1, 1996 pp:i-vii;138-190; 269-272; 288-289;291.
		(5)	Brown, C., Feher, K.: "A Flexible Modem Structure for Increased Network Capacity and Multimedia Transmission in GSM PCS", Proceedings of the Fifteenth Annual Joint Conference of the IEEE Computer and Communication Societies (INFOCOM '96), 1996 (8 pages)
		(6)	3GPP TS 25.213 V6.0.0 (2003-12) 3 <sup>rd</sup> Generation Partnership Project; Technical Specification Group Radio Access Network Spreading and Modulation (FDD) (Release 6) 28 pages
		(7)	Schell, S.V.: "Implementation Effects on GSM's EDGE Modulation", Tropian Inc., Cupertino CA 95014- the date of this Tropian Inc. document is not known to applicant; 11 pages. On the cover page of the presentation of this report is printed 22 Feb 2000
		(8)	Lin, J.S., Feher, K.: "Ultra Spectrally Efficient Feher Keying (FK) Developments" Proceedings of the European Telemetry Conference Germany, May 2002 9 pages
<b>EXAMINER</b>			<b>DATE CONSIDERED</b>

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449 Patent and Trademark Office-U.S. Department of Commerce (Modified)